

Title (en)
TIRE ANTI-SLIP DEVICE

Title (de)
ANTIRUTSCHVORRICHTUNG FÜR REIFEN

Title (fr)
DISPOSITIF ANTI-GLISSEMENT POUR PNEUMATIQUES

Publication
EP 3081404 A4 20170802 (EN)

Application
EP 14869754 A 20141023

Priority
• JP 2013255653 A 20131211
• JP 2014005398 W 20141023

Abstract (en)
[origin: EP3081404A1] [Problems] In order to obtain a tire anti-slip device which includes an anti-slip body having a tread portion making contact with the ground, inner link portions formed to protrude from the tread portion to the inner side of the tire, and outer link portions formed to protrude from the tread portion to the outer side of the tire, and a tightener configured to tightly fit the anti-slip body to the tire, and can prevent removal of the anti-slip body from the inner or outer side direction of the tire in operation of the tightener so that the tire anti-slip device can be mounted to an optimum position of the tire with a simple manipulation, [Solution] a wire guide portion capable of guiding the tightening wire in the width direction of the anti-slip body is formed in a position of one end portion of the anti-slip body, and one end position (of the wire guide member) and the other end position of the anti-slip body approach each other in both positions of the inner and outer link portions by tightening the tightening wire.

IPC 8 full level
B60C 27/20 (2006.01); **B60C 27/06** (2006.01); **B60C 27/10** (2006.01)

CPC (source: EP KR US)
B60C 27/06 (2013.01 - EP KR US); **B60C 27/066** (2013.01 - US); **B60C 27/10** (2013.01 - EP US); **B60C 27/20** (2013.01 - EP KR US)

Citation (search report)
• [A] DE 3825748 A1 19900201 - RUD KETTEN RIEGER & DIETZ [DE]
• [XY] JP H03266710 A 19911127 - TAKEUCHI MINORU
• [YA] EP 0352873 A2 19900131 - RUD KETTEN RIEGER & DIETZ [DE]
• See references of WO 2015087478A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3081404 A1 20161019; **EP 3081404 A4 20170802**; **EP 3081404 B1 20190918**; CA 2933461 A1 20150618; CA 2933461 C 20180501; CN 105916708 A 20160831; CN 105916708 B 20180710; JP 2015112982 A 20150622; JP 6234203 B2 20171122; KR 101935643 B1 20190104; KR 20160096188 A 20160812; MX 2016007627 A 20160909; US 10046610 B2 20180814; US 2016311277 A1 20161027; WO 2015087478 A1 20150618

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